

Appl. No. 10/687,481
Amdt Dated Sep. 23, 2005
Reply to Office Action of Jun. 23, 2005

AMENDMENTS TO THE CLAIMS

1. (currently amended) A rail assembly for mounting a server into a cabinet, comprising:
a rail bracket adapted to be mounted in a sidewall of the cabinet;
an outer rail movably received in the bracket, the outer rail comprising a blocking member formed therein; and
an inner rail adapted to be attached to one side of the server and movably received in the outer rail, the inner rail comprising an acting member formed therein engaging with the blocking member of the outer rail for moving the outer rail outward together with the inner rail such that the server can be fully drawn out of the cabinet without the outer rail detaching from the rail bracket;
wherein
the blocking member comprises a blocking slot which communicates with a rear edge of the outer rail, the acting member comprises a protrusion entering into the blocking slot from the rear edge of the outer rail, and abutting a distal end of the blocking slot to drive the outer rail outward.
2. (original) The rail assembly as claimed in claim 1, wherein the inner rail comprises a first base plate and two guiding flanges formed at two opposite sides of the first base plate.
3. (original) The rail assembly as claimed in claim 2, wherein the outer rail comprises a second base plate, two guiding portions formed at two opposite sides of the second base plate, and two first railings parallel to and offset from the guiding portions respectively.
4. (currently amended) The rail assembly as claimed in claim 3, wherein the ~~acting member of the inner rail is a protrusion~~ is formed in one of the guiding flanges,

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and the ~~blocking member comprises a slot~~ is defined in the second base plate of the outer rail corresponding to the protrusion of the inner rail.

5. (currently amended) The rail assembly as claimed in claim 3, wherein the ~~acting member of the inner rail is~~ protrusion is a tab formed in directly stamped from the first base plate, and the blocking member is a blocking plate formed in the second base plate of the outer rail corresponding to the tab of each inner rail distal end of the blocking slot is formed of a blocking plate corresponding to the tab.
6. (original) The rail assembly as claimed in claim 1, wherein the rail bracket comprises a first part, and a second part adjustably connected with the first part by fastening means.
7. (currently amended) A server assembly adapted to be mounted in a cabinet, comprising:
a pair of rail brackets mounted in two sidewalls of the cabinet respectively;
a server; and
a pair of inner rails attached to opposite sides of the server, a pair of outer rails and slidably received in the rail bracket respectively and slidably receiving the inner rails respectively;
wherein the server can be fully moved out of the cabinet without the rails detaching from the rail brackets; and
wherein each of the outer rails defines a blocking slot which communicates with a rear edge thereof, each of the inner rails forms a protrusion entering into the blocking slot from said rear edge of a corresponding outer rail, and abutting a distal end of the blocking slot to drive the corresponding outer rail outward.
8. (canceled)
9. (canceled)

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10. (currently amended) The server assembly as claimed in claim [[9]] 7, wherein the inner rail comprises a first base plate and two guiding flanges formed at two opposite sides of the first base plate.
11. (original) The server assembly as claimed in claim 10, wherein the outer rail comprises a second base plate, two guiding portions formed at two opposite sides of the second base plate, and two first railings parallel to and offset from the guiding portions respectively.
12. (currently amended) The server assembly as claimed in claim 11, wherein the ~~acting member of the inner rail is a~~ protrusion is formed in one of the guiding flanges, the blocking ~~member comprises a slot is~~ defined in the second base plate of the outer rail corresponding to the protrusion of the inner rail.
13. (currently amended) The server assembly as claimed in claim 11, wherein the ~~acting member of the inner rail~~ protrusion is a tab ~~formed in~~ directly stamped from the first base plate, and the ~~blocking member is a blocking plate formed in the second base plate of the outer rail corresponding to the tab of the inner rail~~ distal end of the blocking slot is formed of a blocking plate corresponding to the tab.
14. (currently amended) The server assembly as claimed in claim 7, wherein each of the rail brackets comprises a first part and a second part adjustably connected with the first part by fastening means.
15. (currently amended) A server assembly comprising:
a pair of rail brackets mounted to two opposite side walls of a cabinet, each of said rail brackets including relatively moveable front and rear parts so as to be adjustably mounted to ~~the corresponding side walls~~ each other;
a pair of first rail rails each moveably received in each a corresponding rail bracket;
a pair of second rail rails each moveably received in each a corresponding first

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rail; and

a server including two opposite side faces, to each of which ~~the~~ a corresponding second rail is attached; wherein

during withdrawal of the server from the cabinet, each of the second rail rails initially moves outwardly relative to the corresponding first rail and via a first abutment structure successively urges the corresponding first rail to commonly outwardly move; during insertion of the sever into the cabinet, each of the second rail rails initially moves inwardly relative to the corresponding ~~inner~~ first rail and via a second abutment structure successively urges the corresponding first rail to commonly move inwardly; whereby the server is allowed to be withdrawn outwardly with more exposed portions under a stable manner; and

wherein the first abutment structure is directly formed from the corresponding second rail, and the second abutment structure is attached at a front end of one of the opposite side faces of the server.

16. The server assembly as claimed in claim 15, wherein said first rail is moveably received in the front part of the corresponding rail bracket.